msi

READY FOR 3DMARK 11 The Gamer's Benchmark For DirectX 11

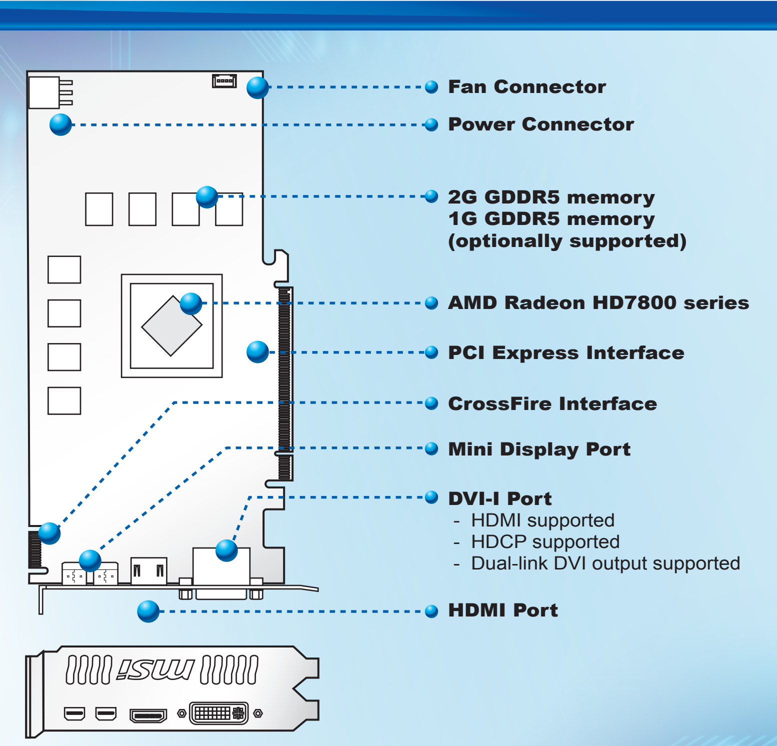
HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

TRIPLE OVERVOLTAGE
ENHANCED PWM DESIGN

GRAPHICS CARD
R7850 POWER EDITION

www.msi.com

Overview



★ The VGA card shown here is for reference only, and may vary from the actual card.

For further information, please visit MSI website at www.msi.com

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Getting Started

Unpacking

Please check out the following items to make sure that you get the complete product:

- VGA card
- Driver disk, documentation, and accessories, if provided.
  Consult the dealer immediately if the package is not completed.

System Requirements

To install the VGA card, your computer system needs to meet the following requirements:

- PCI Express® based PC is requird with X16 lane granphics slot available on the motherboard.
- 500 Watt or greater power supply with one 75W 6-pin PCI Express power connector recommended.
- Certified power supplies are recommended.
  Refer to http://support.amd.com/us/certified/power-supplies/Pages/listing.aspx for a list of Certified products.
- Minimum 200MB of available hard disk space.
- Minimum 1GB of system memory.
- CD-ROM / DVD drive / Blu-ray™ drive is required for driver installation.
- The operation of AMD CrossFire™ technology in dual mode requires a second AMD Radeon™ HD 7800 graphics card and an AMD CrossFire™ Ready motherboard.
- Visit MSI website for further information of operating system support.

Card Features

- Microsoft DirectX® 11 Support
  - 9th generation programmable hardware tessellation units
  - Shader Model 5.0
  - DirectCompute 11
  - Accelerated multi-threading
  - HDR textrue compression
  - Order-independent transparency
- Image quality enhancement technology
  - Up to 24x multi-sample and super-sample anti-aliasing modes
  - Adaptive anti-aliasing
  - Morphological Anti-Aliasing (MLAA)
  - DirectX® 10/11 Super-Sample Anti-Aliasing (SSAA)
  - 16x angle independent anisotropic texture filtering
  - 128-bit floating point HDR rendering

Getting Started

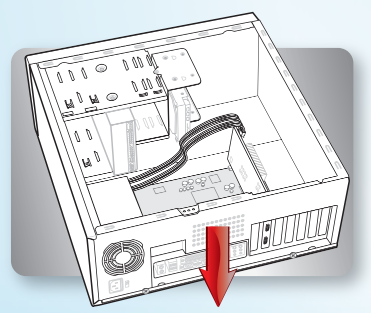
- PCI Express 3.0 X16 bus interface
- OpenGL 4.2 support
- AMD Eyefinity multi-display technology
  - up to 6 displays supported with DisplayPort 1.2 Multi-Stream Transport.
  - Independent resolutions, refresh, rates, color controls, and video overlays.
  - Display grouping: Combine multiple displays to behave like a single large display.
- AMD App Acceleration
  - OpenCL 1.2 Support
  - Microsoft C++ AMP
  - DirectCompute 11
  - Double Precision Floating Point
  - AMD HD Media Accelerator
- AMD HD3D technology
  - Stereoscopic 3D display/glasses support
  - Blu-ray 3D support
  - Stereoscopic 3D gaming
  - 3rd party Stereoscopic 3D middleware software support.
- Cutting-edge integrated display support
  - DisplayPort 1.2
  - 3GHz HDMI 1.4a with Stereoscopic 3D Frame Packing Format, Deep Color, xvYCC wide gamut support, and high bit-rate audio
  - Dual-link DVI with HDCP, max resolution: 2560x1600
  - VGA, max resolution: 2048x1536
- Integrated HD audio controller
  - Output protected high bit rate 7.1 channel surround sound over HDMI with no additional cables required.
  - Support AC-3, AAC, Dolby TrueHD and DTS Master Audio formats.
- AMD Powr Tune Technology
  - Intelligent TDP management technology
  - Dynamic colockspeed/performance enhancement for games.
- AMD Catalyst™ graphics and HD Video configuration software
  - Software support for Windows 7, Windows Vista, and Windows XP.
  - AMD Catalyst™ Center - AMD Catalyst™ software application and user interface for setup, configuration, and accessing features of AMD Radeon products.
  - Unified Graphics display driver - AMD Catalyst™ software enabling other PC programs and devices to use advanced graphics, video, and features of AMD Radeon™ products.

Quick Installation

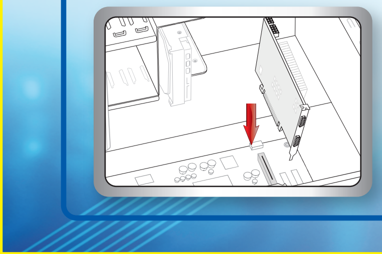
Hardware

Follow the instructions below to install the VGA card:

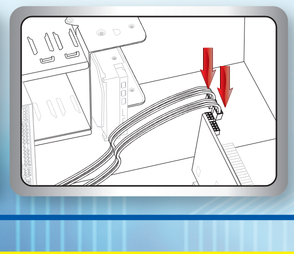
1. Remove the computer case.
2. Locate the expansion slot on your mainboard.
   Warning: Inserting the VGA card into a wrong slot may damage your card (refer to your mainboard manual for further Information).
3. Put the card directly over the expansion slot and press one end of the card into the slot first.
   Gently but firmly press the other end until the card is fully seated in the slot.
4. Secure the card with a bracket screw.
5. Attach the power cable of the power supply with recommended wattage to the VGA card, if necessary.
6. Install all other cards and devices and connect all the cables, and then re-install the computer case.
7. Connect the monitor. Now, you are ready to install the driver and software on your computer.



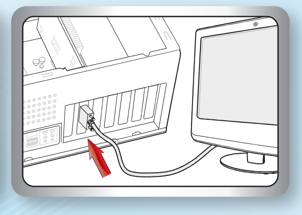
Installing the VGA card...



Attaching the power cable...



Connecting the monitor...



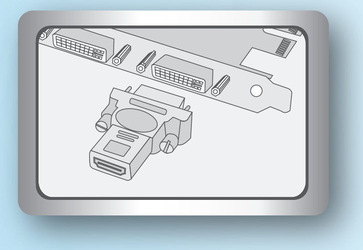
Quick Installation

Enabling HDMI Output

Optionally Supported

Follow the steps below to enable HDMI Output function:

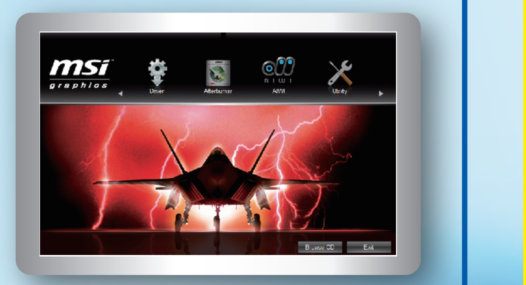
1. Find the DVI-to-HDMI adapter, if provided.
   The adapter may not come with the package, consult your dealer to purchase the adapter, if needed.
2. Attach the DVI-to-HDMI adapter to the DVI connector.
3. Ensure that the adapter is firmly installed.



Software

To install the driver of the VGA card to your computer, please follow the steps below:

1. Turn on the computer.
2. Insert the driver disk into the optical device drive.
   The AUTORUN program will start the Setup program, and show the setup screen as shown on the right.
3. Click the Driver tag, and follow the on-screen instructions to complete the installation.
4. Once the installation is completed, restart the computer as instructed.



Tip: If, on your computer, the AUTORUN program does not execute automatically, please 1) enable the optical device drive auto-detect function from the Control Panel; or 2) find and run the setup.exe file manually from the driver disk.

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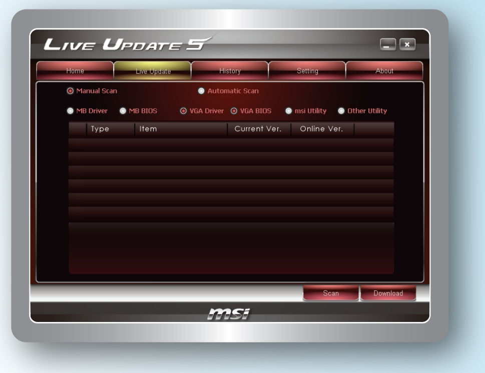
msi Functions

LIVE UPDATE 5

MSI Live Update 5 offers users with brand-new update service experience, which can significantly save your time while searching files. Live Update 5 is capable to automatically analyze and list drivers, BIOS, and utilities you need. With the easy-to-use updating approaches, you can increase the performance of your system easily and quickly. Follow the instructions below, with a few mouse clicks, you can acquire the related files for the system updating.

1. Insert the driver disk into the optical device drive, and start the Setup program.
2. Click the Utility tab on the setup screen.
3. Click the MSI Live Update 5.
   Follow the on-screen nstructions to complete the installation.
4. Launch MSI Live Update utility to proceed the updating function.



WARNING!!
DO NOT touch the cooling system since it may produce a certain heat while processing tasks.

CAUTION!!
Do not force the GPU cooler against the fragile GPU to avoid damage to the GPU.

CE FC N1996

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

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